

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently Amended):** A wireless transmission apparatus, comprising:

a wired network port for exchanging data with a computer;

a wireless network port including a radio frequency circuit module;

a processing unit for converting the data format transmitted between the wired network port

and the wireless network port; and

a power port electrically connected to a universal series bus of the computer, by which the wireless transmission apparatus is powered; and

a power controller electrically connected to the power port, wherein the power controller comprises a voltage transformer adapted to convert a voltage of the power port to a voltage suitable for the operation of the wireless transmission apparatus and a power-saving controller adapted to suspend the power supply to the radio frequency circuit module according to a power control signal generated by the processing unit.

**Claim 2 (Cancelled)**

**Claim 3 (Original):** The wireless transmission apparatus of Claim 1, wherein the power port is a universal series bus port.

**Claim 4 (Original):** The wireless transmission apparatus of Claim 1, further comprising a universal series bus wire connected to the power port.

**Claim 5 (Original):** The wireless transmission apparatus of Claim 1, wherein the wired network port uses a communication protocol, which complies with the IEEE 802.3 standard.

**Claim 6 (Original):** The wireless transmission apparatus of Claim 1, further comprising a memory for storing data transmitted between the wired network port and the wireless network port.

**Claim 7 (Original):** The wireless transmission apparatus of Claim 6, further comprising a memory controller for controlling data access of the memory.